

# Xpod<sup>®</sup> Model 3012LP

## External-wired Pulse Oximeter



Disposable  
Flexi-form Sensor



Reusable Flex Sensor



Reusable Sensor



Ear Clip Sensor



Reflectance Sensor



## Low Power External SpO<sub>2</sub> — It is in the Cable

Nonin Medical's Low Power Xpod is a highly accurate, easy-to-integrate external pulse oximetry solution for new or existing medical products. With convenient plug-and-play adaptability, the compact Low Power Xpod is an ideal pulse oximetry add-on that doesn't require space in your monitor housing. For superior performance in challenging patient applications, Nonin's PureSAT<sup>®</sup> signal processing and PureLight<sup>®</sup> sensor technologies combine for a highly responsive and accurate SpO<sub>2</sub> monitoring system. The Xpod is now available with Mini-12 or USB connector options. With a volume commitment, Nonin can customize the Xpod to meet your connector needs.

# Xpod® Model 3012LP

## Product Highlights

- Clinically proven PureSAT® pulse oximetry technology
- Compatible with all Nonin PureLight® Sensors
- Accuracy claims for challenging patient conditions
- PPG digital output
- Extremely low power draw
- Low voltage regulation



Shown: Mini-12 Connector

## Reliable for All Patients

The Xpod with Nonin's proven PureSAT SpO<sub>2</sub> technology is reliable even when patient signals are not. PureSAT signal processing technology separates the true signal from artifact interference and weak signals, providing accurate measurements regardless of the patient or challenging condition.

### Superior Performance

Clinically validated for use in challenging conditions such as motion and low perfusion

### Connector Options

Choose from Mini-12, USB or custom connector based on volume agreement



### Low Power Draw

Less than 35mW@3.3V\* – ideal for small portable products

### Proven PureSAT® Pulse Oximetry Technology

Algorithms separate the most reliable signal from artifact and weak signals for highly accurate readings in real time

### PPG Digital Output

For physiologic timing applications, the PPG output can be used for applications that measure the time the pulse wave takes to travel between two arterial sites, such as from the heart to the finger

### Compatible with all Nonin PureLight® Sensors

Nonin PureLight® sensor technology provides superior performance with consistent accuracy for all challenging patient applications, including neonates, dark skin and low perfusion. To find out more about Nonin's PureLight Sensor technology, visit us at [www.nonin.com/oximetry/sensors](http://www.nonin.com/oximetry/sensors).

\*Excludes USB versions.

## Specifications

<b>Weight</b> .....	75g (2.7 oz.) (including 6' cable and connector)
<b>Oxygen Saturation Range (SpO<sub>2</sub>)</b> .....	0 to 100%
<b>Pulse Rate Range</b> .....	18 to 321 beats per minute (BPM)
<b>SpO<sub>2</sub> Range</b> .....	70-100%

		Adults*/Pediatrics**	Neonates
<b>No Motion</b>			
REUSABLE:	8000AA:	± 2 digits	N/A
REUSABLE:	8000SX:	± 2 digits	N/A
DISPOSABLE:	6000/7000 Series:	± 2 digits	± 3 digits

<b>Motion</b>			
REUSABLE:	8000AA:	± 3 digits	N/A
REUSABLE:	8000SX:	± 3 digits	N/A
<b>Low Perfusion</b>	All Nonin Sensors:	± 2 digits	± 3 digits

		Adults/Pediatrics	Neonates
<b>Pulse Rate Accuracy</b>			
<b>No Motion (18-300 BPM)</b>			
REUSABLE:	8000AA:	± 3 digits	N/A
REUSABLE:	8000SX:	± 3 digits	N/A
DISPOSABLE:	6000/7000 Series:	± 3 digits	± 3 digits

<b>Motion (40-240 BPM)</b>			
REUSABLE:	8000AA:	± 5 digits	N/A
REUSABLE:	8000SX:	± 5 digits	N/A
<b>Low Perfusion (40-240 BPM)</b>	All Nonin Sensors:	± 3 digits	± 3 digits

<b>Temperature (Operating)</b> .....	0°C to 50°C (32°F – 122°F)
<b>Temperature (Storage/Transportation)</b> .....	-20°C to 50°C (-4°F – 122°F)
<b>Humidity (Operating)</b> .....	10 to 90% non-condensing
<b>Humidity (Storage/Transportation)</b> .....	10 to 95% non-condensing
<b>Power Draw</b> .....	Typical 35mW or less
<b>Voltage Input</b> .....	1.0 to 5.5 VDC, w/100 mV max. ripple

Classifications per IEC 60601-1 / CSA 601.1/ UL 60601-1:  
 Degree of Protection: ..... Type BF-Applied Part  
 Enclosure Degree of Ingress Protection: ..... IP33  
 Mode of Operation: ..... Continuous

This product complies with ISO 10993-1  
 \* ± 1 Arms represents approximately 68% of measurements  
 \*\* Pediatric includes infant  
 See Technical Specifications for a complete list of approved Nonin sensors at [www.nonin.com/OEMsolutions/Xpod](http://www.nonin.com/OEMsolutions/Xpod)

Specifications are subject to change without notice.

## Your Partner of Choice.

With more than 25 years of experience and dedication to the design and support of noninvasive monitoring devices, Nonin Medical has helped many medical professionals meet clinical and economic objectives. More than 100 OEM partners around the world rely on Nonin's digital technology to successfully integrate superior pulse oximetry and capnography into their products.

**Nonin Medical, Inc.**  
 13700 1st Avenue North  
 Plymouth, MN ■ 55441-5443 ■ USA  
**P** +1.763.553.9968 **TF** 800.356.8874  
**F** +1.763.577.5521 **E** [info@nonin.com](mailto:info@nonin.com)

[www.nonin.com](http://www.nonin.com)

**Nonin Medical AB**  
 Fibervägen 2, 82450  
 Hudiksvall, Sweden  
**P** +46 650 401500  
**F** +46 650 401514  
**E** [infointl@nonin.se](mailto:infointl@nonin.se)